

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051123\
 Data File : VY013710.D
 Acq On : 11 May 2023 12:16
 Operator : KP/MD
 Sample : 02719-04
 Misc : 4.16g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-04_10-12_20230509

Quant Time: May 12 04:40:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.789	168	194255	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	330038	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	327813	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	150317	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	138797	65.179	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	130.360%
35) Dibromofluoromethane	7.716	113	113302	54.583	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.160%
50) Toluene-d8	10.179	98	405505	54.914	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	109.820%
62) 4-Bromofluorobenzene	12.483	95	132005	53.025	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	106.060%

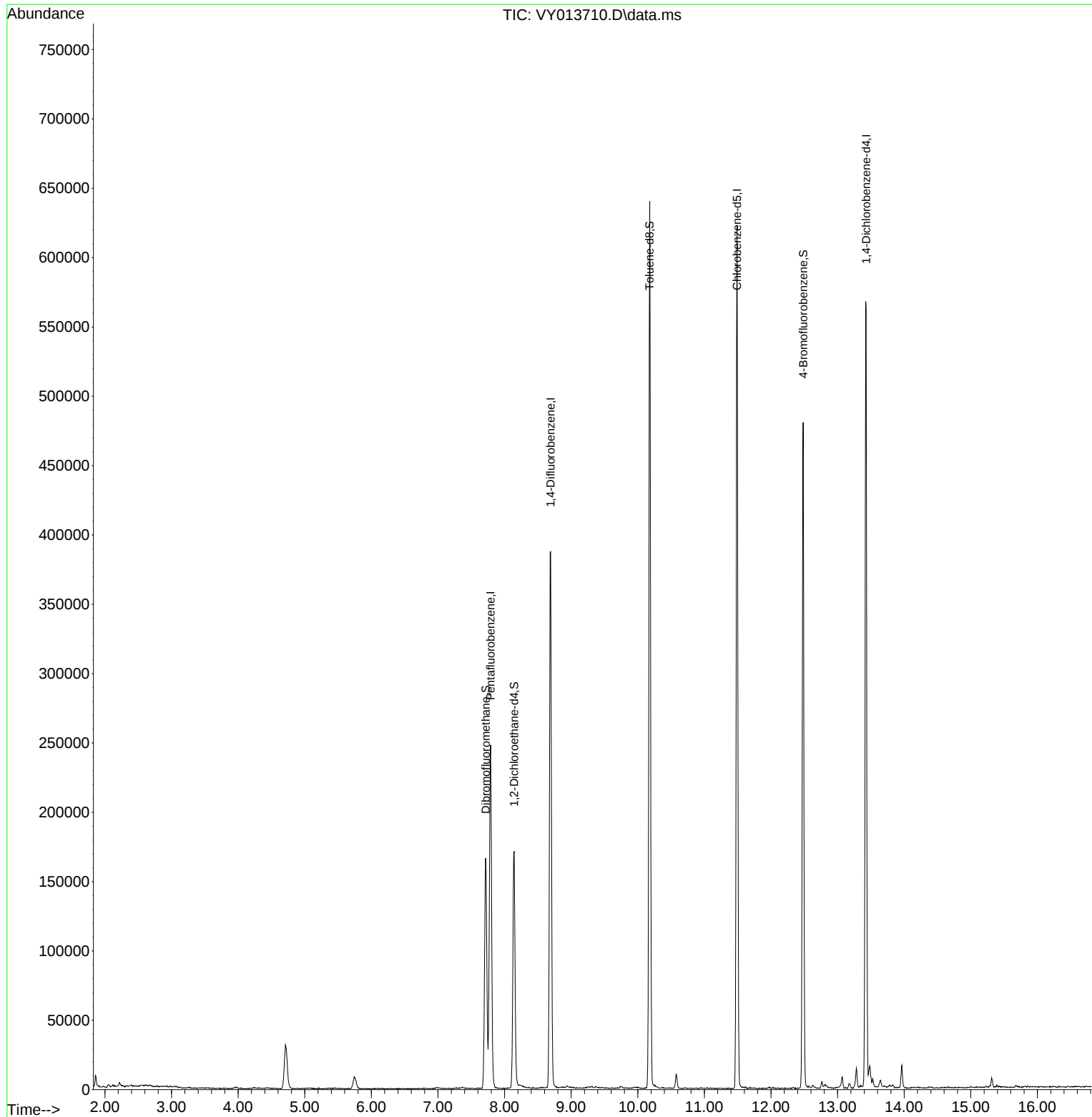
Target Compounds	Qvalue

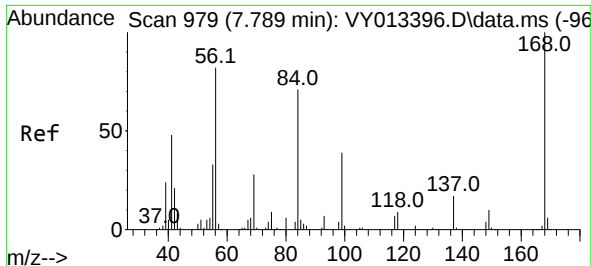
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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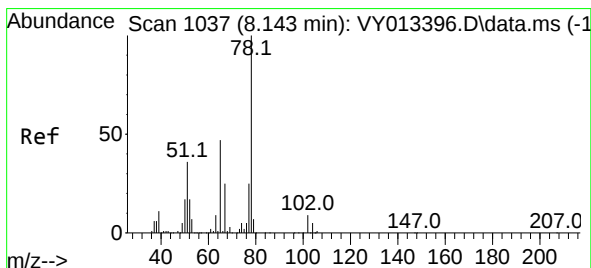
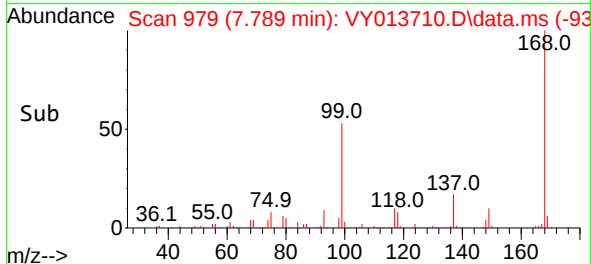
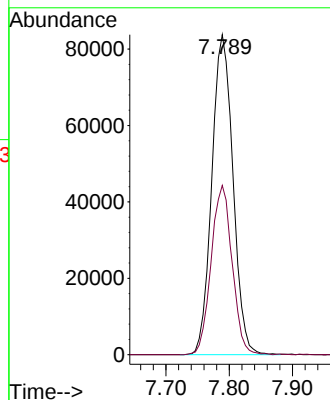
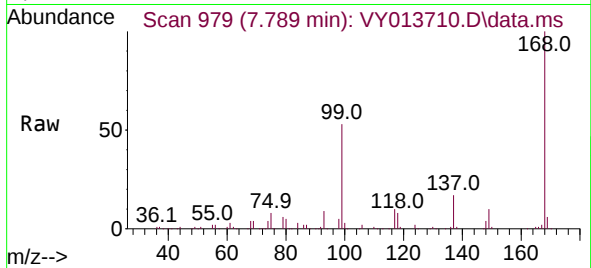




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013710.D
Acq: 11 May 2023 12:16

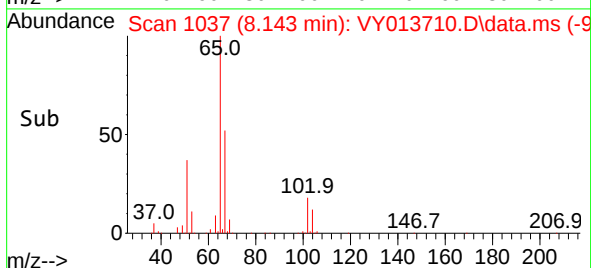
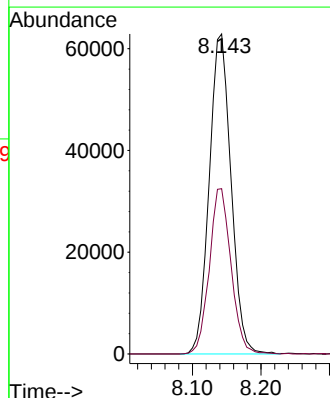
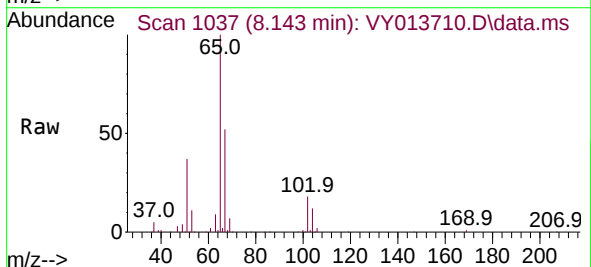
Instrument :
MSVOA_Y
ClientSampleId :
SB-04_10-12_20230509

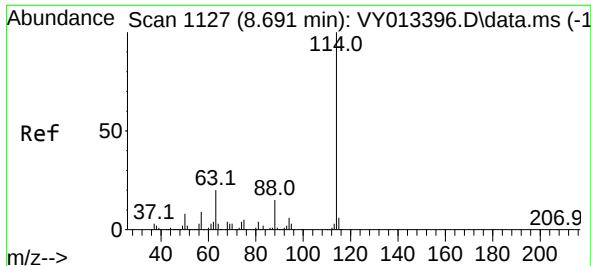
Tgt Ion:168 Resp: 194255
Ion Ratio Lower Upper
168 100
99 52.9 41.8 62.6



#33
1,2-Dichloroethane-d4
Concen: 65.179 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.007 min
Lab File: VY013710.D
Acq: 11 May 2023 12:16

Tgt Ion: 65 Resp: 138797
Ion Ratio Lower Upper
65 100
67 51.5 0.0 103.4

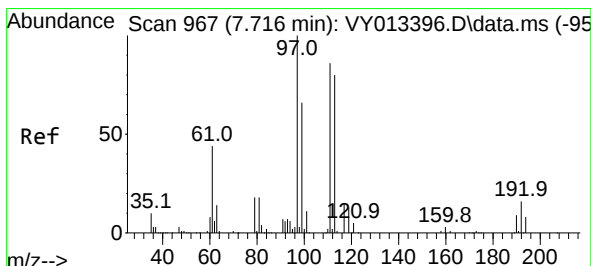
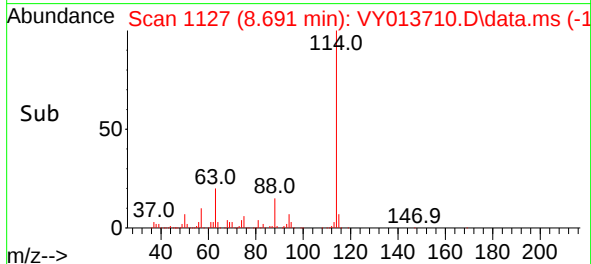
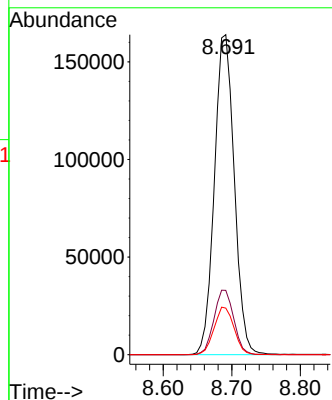
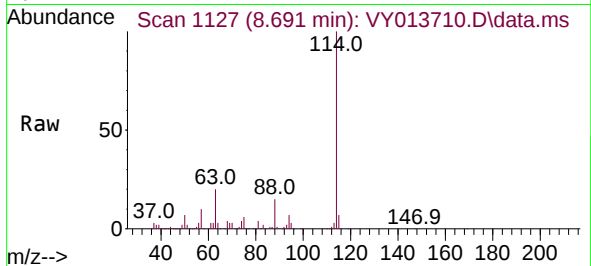




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY013710.D
Acq: 11 May 2023 12:16

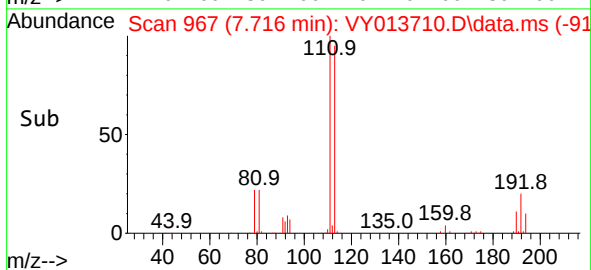
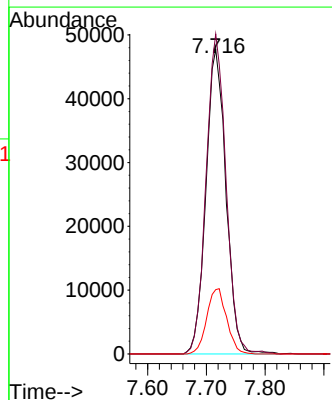
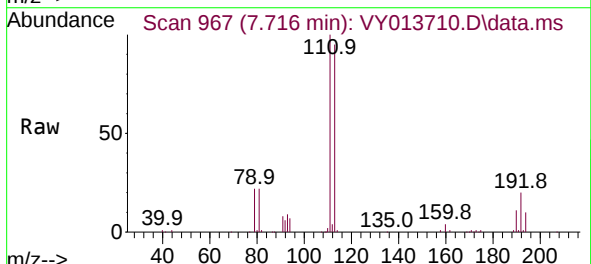
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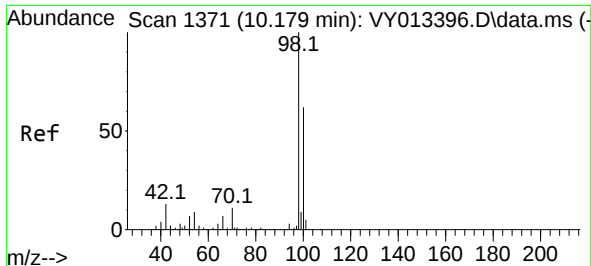
Tgt Ion:114 Resp: 330038
Ion Ratio Lower Upper
114 100
63 20.1 0.0 36.6
88 14.6 0.0 28.8



#35
Dibromofluoromethane
Concen: 54.583 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY013710.D
Acq: 11 May 2023 12:16

Tgt Ion:113 Resp: 113302
Ion Ratio Lower Upper
113 100
111 104.4 82.2 123.2
192 21.2 16.7 25.1

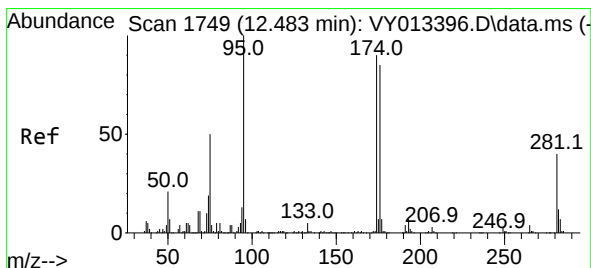
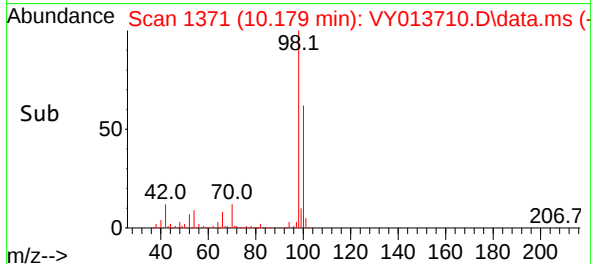
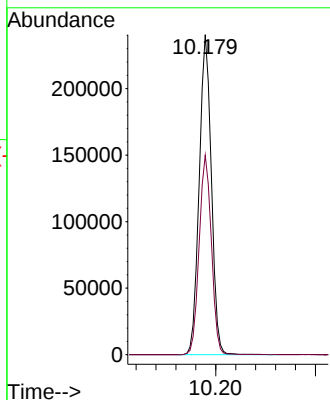
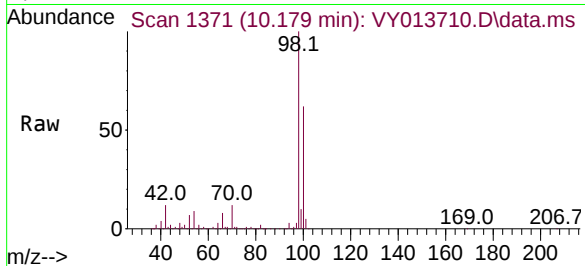




#50
Toluene-d8
Concen: 54.914 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013710.D
Acq: 11 May 2023 12:16

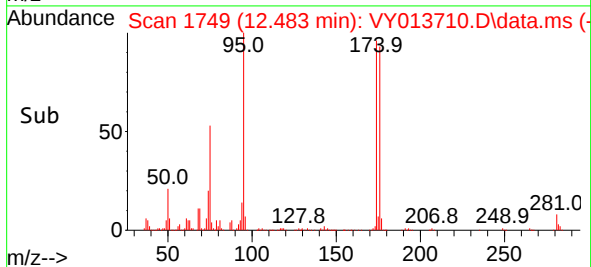
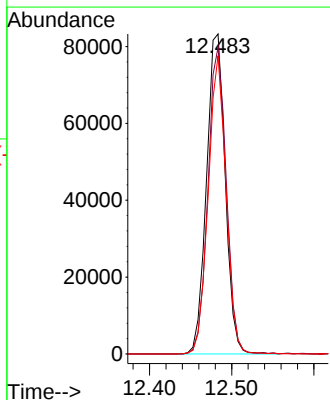
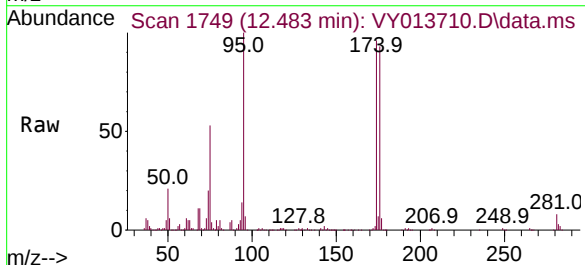
Instrument :
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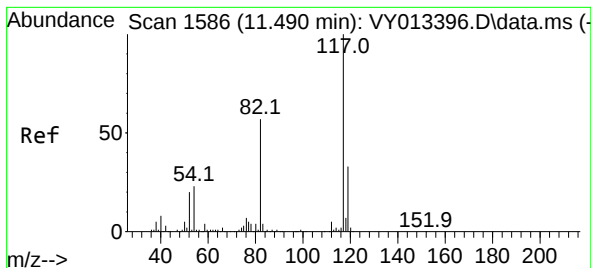
Tgt Ion: 98 Resp: 405505
Ion Ratio Lower Upper
98 100
100 62.8 50.5 75.7



#62
4-Bromofluorobenzene
Concen: 53.025 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY013710.D
Acq: 11 May 2023 12:16

Tgt Ion: 95 Resp: 132005
Ion Ratio Lower Upper
95 100
174 93.5 0.0 182.0
176 88.7 0.0 175.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY013710.D

Acq: 11 May 2023 12:16

Instrument :

MSVOA_Y

ClientSampleId :

SB-04_10-12_20230509

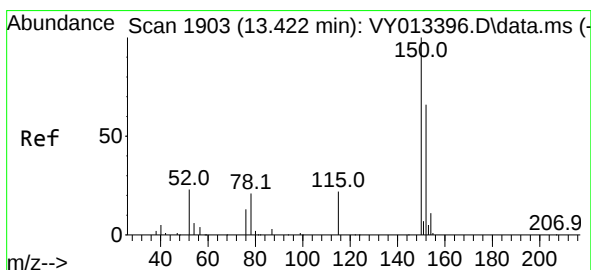
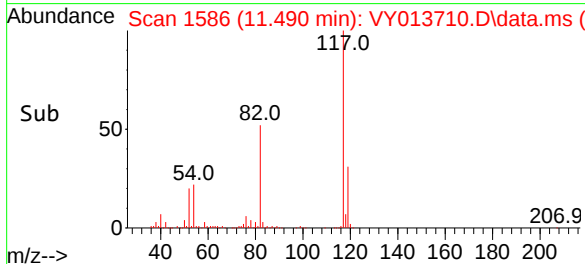
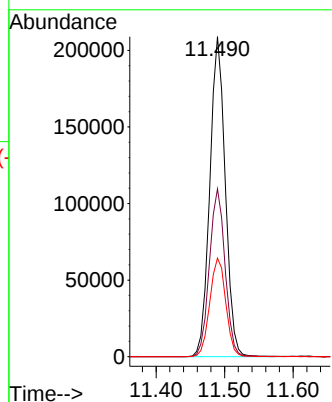
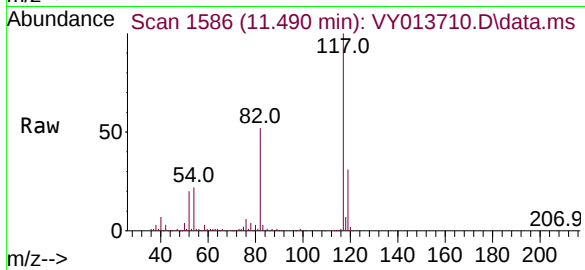
Tgt Ion:117 Resp: 327813

Ion Ratio Lower Upper

117 100

82 52.5 43.0 64.6

119 30.8 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY013710.D

Acq: 11 May 2023 12:16

Tgt Ion:152 Resp: 150317

Ion Ratio Lower Upper

152 100

115 56.7 28.1 84.2

150 158.0 0.0 352.0

